

What is claimed is:

1. A positive photosensitive resist composition comprising a resin binder and an encapsulated inorganic material.
2. The positive photosensitive resist composition of claim 1, wherein the binder is a t-butyl blocked polyvinyl phenol.
3. The positive photosensitive resist composition of claim 1, wherein the binder is a polyvinylphenol and t-butyl acrylate copolymer.
4. The positive photosensitive resist composition of claim 1, wherein the binder is a polyvinylphenol, t-butyl acrylate and styrene terpolymer.
5. The positive photosensitive resist composition of claim 1, wherein the binder is a DNQ novalak binder.
6. The positive photosensitive resist composition of claim 1, wherein the encapsulated inorganic material is silicon dioxide. *SiO<sub>2</sub>*
7. The positive photosensitive resist composition of claim 1, wherein the encapsulated inorganic material is aluminum oxide. *alumina*
8. The positive photosensitive resist composition of claim 1, wherein the encapsulated inorganic material is titanium dioxide. *titanium*

9. The positive photosensitive resist composition of claim 1, wherein the content of the encapsulated inorganic material is between about 0.1% and about 90% by weight of the positive photosensitive resist composition.

10. The positive photosensitive resist composition of claim 1, wherein the content of the encapsulated inorganic material is between about 5% and about 75% by weight of the positive photosensitive resist composition.

11. The positive photosensitive resist composition of claim 1, wherein the content of the encapsulated inorganic material is between about 20% and about 50% by weight of the positive photosensitive resist composition.

12. The positive photosensitive resist composition of claim 1, wherein the binder and the encapsulated inorganic material form a clear positive photosensitive resist composition.

13. The positive photosensitive resist composition of claim 1, further comprising a surfactant.

14. The positive photosensitive resist composition of claim 1, further comprising a solvent.

15. The positive photosensitive resist composition of claim 1, wherein the encapsulated inorganic material further comprises core particles having an average size ranging from about 1 nm to about 50 nm.

16. The positive photosensitive resist composition of claim 15, wherein the average size of the particles ranges from about 1 to about 20 nm.

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Figure 1: Schematic representation of the experimental design. The diagram shows a sequence of steps: 1. Pre-test (N=10), 2. Training (N=10), 3. Post-test (N=10), 4. Transfer (N=10), 5. Follow-up (N=10). Each step is represented by a box containing a schematic of the task. The Pre-test and Post-test boxes show a person at a computer screen. The Training, Transfer, and Follow-up boxes show a person at a computer screen with a 'Transfer' label. The Transfer box also includes a 'Transfer' label and a 'Transfer' label.